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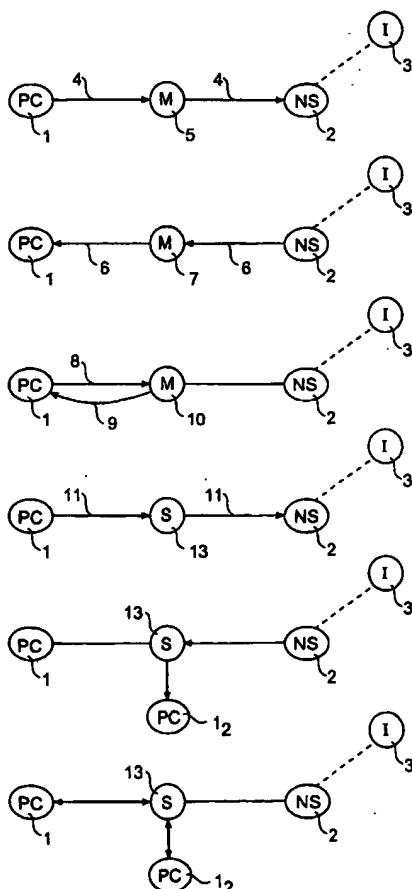
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[Continued on next page]

(54) Title: GLOBAL NETWORK COMPUTERS



(57) Abstract: An apparatus for a network of computers is presented. A plurality of inner firewalls operate within a personal computer. The personal computer operates in a network of computers and includes at least one microprocessor and at least two memory components. The plurality of inner firewalls deny access to a first memory component of the personal computer by another computer through a network connection with the personal computer during a shared operation. The plurality of inner firewalls also allow access to a second memory component of the personal computer by the other computer through the network connection with the personal computer during the shared operation.

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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 32972 A (ELLIS FRAMPTON E III) 1 July 1999 (1999-07-01)	1-4, 6-14, 16-65, 71-74 5,15, 66-70
A	page 7, line 23 -page 10, line 28 page 16, line 11 -page 20, line 7 page 22, line 5 -page 24, line 6 page 28, line 13 -page 29, line 17 page 32, line 7 -page 44, line 2 figures 10A-100 ---- -/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

• Special categories of cited documents :

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 26366 A (ELLIS FRAMPTON E III) 18 June 1998 (1998-06-18)	1-4, 6-8, 12-14, 16, 17, 20-40, 42, 43, 46-65, 67, 71-74 5, 9-11, 15, 18, 19, 41, 44, 45, 66, 68-70
A	page 5, line 21-30 page 7, line 22-32 page 11, line 26 -page 12, line 6 page 16, line 36 -page 17, line 33 page 21, line 33 -page 22, line 9 page 26, line 6 -page 27, line 10 page 30, line 14 -page 33, line 20 page 35, line 30 -page 37, line 14 claims 42-49 figures 10A-10I -----	
A	"Ein-Chip-Firewall: Der Sheriff kommt ins Haus" ELEKTRONIKNET, 31 March 1999 (1999-03-31), XP002164257 the whole document -----	1-74

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/41849

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
WO 9932972	A 01-07-1999		AU 2004699 A		12-07-1999
			CA 2312904 A1		01-07-1999
			CN 1282427 T		31-01-2001
			EP 1040418 A1		04-10-2000
			JP 2001527236 T		25-12-2001
			US 2001013049 A1		09-08-2001
			WO 9932972 A1		01-07-1999
			US 2002059392 A1		16-05-2002
			US 2002087886 A1		04-07-2002
WO 9826366	A 18-06-1998		US 2001011294 A1		02-08-2001
			AU 742835 B2		10-01-2002
			AU 5365898 A		03-07-1998
			CN 1251667 A		26-04-2000
			EP 0944871 A2		29-09-1999
			JP 2002513485 T		08-05-2002
			US 2001013049 A1		09-08-2001
			WO 9826366 A2		18-06-1998
			US 6167428 A		26-12-2000
			US 2002059392 A1		16-05-2002
			US 2002087886 A1		04-07-2002